

CONTENTS OF VOLUME 2

Adams, G. A. See Martin, S. M., 715.

Anderson, G. W., Hauser, M. M., Wright, M. L., and Couch, J. R. The effect of dietary enterococci and chlortetracycline hydrochloride on the intestinal flora and growth of chicks, 733.

Angus, T. A. General characteristics of certain insect pathogens related to *Bacillus cereus*, 111.
Association of toxicity with protein-crystalline inclusions of *Bacillus sottii* Ishiwata, 122.

Bailey, W. R. Studies on the transduction phenomenon. I. Practical applications in the laboratory, 549.
Studies on the transduction phenomenon. II. The occurrence of *Salmonella* transducing phages in nature, 555.

Bakerspigel, A. Observations on the culture and maintenance of a free-living amoeba, 511.

Bannister, G. L. See Mitchell, C. A., 322.

Baxter, R. M. and Gibbons, N. E. Effects of sodium and potassium chloride on certain enzymes of *Micrococcus halodenitrificans* and *Pseudomonas salinaria*, 599.

Beale, A. J., Stevens, P. F., Davis, N., Stackiw, W., and Rhodes, A. J. The development of inclusions in tissue cultures of monkey kidney epithelial cells infected with poliomyelitis virus, 298.

Bearcroft, W. G. C. See Franklin, A. E., 329.

Bell, J. See Labzofsky, N. A., 461.

Benedict, H. J. Dysentery bacilli—*Shigella*. A brief historical review, 163.

Blackwood, A. C. and Blakley, E. R. Carbohydrate metabolism by *Leuconostoc mesenteroides*, 741.

Blakley, E. R. See Blackwood, A. C., 741.

Blank, F. and Telner, P. Note on the parasitic growth-phase of *Trichophyton rubrum* in hairs, 402.

Bradley, R. H. E. Effects of depth of stylet penetration on aphid transmission of potato virus Y, 539.

Branham, S. E. Milestones in the history of the meningococcus, 175.

Breed, R. S. The relationships of the bacteria and viruses to other living things, 201.

Brown, M. H. See Plummer, H. C., 359.

Buchner, B. See Franklin, A. E., 329.

Buchner, B. K., French, R. C., Deinhardt, F., Sinclair, J. C., McKee, E., and van Rooyen, C. E. Infectious hepatitis and the cytological response in embryonated eggs, 497.

Burnet, F. M. Qualitative differences in the immune response, 153.

Bynoe, E. T., Elder, R. H., and Comtois, R. D. Phage-typing and antibiotic-resistance of staphylococci isolated in a general hospital, 346.

Campbell, J. J. R., Ramakrishnan, T., Linnes, A. G., and Eagles, B. A. Evaluation of the energy gained by *Pseudomonas aeruginosa* during the oxidation of glucose to 2-ketogluconate, 304.

Campbell, J. J. R. and Smith, R. A. The enzymes of the tricarboxylic acid cycle of *Pseudomonas aeruginosa*, 433.

Carter, G. R. A serological study of *Pasteurella haemolytica*, 483.

Chaplin, C. E. and Lochhead, A. G. Abnormal morphology of a bacterium resulting from vitamin B₁₂ deficiency, 340.

Chase, F. E. See Corke, C. T., 12.

Clark, D. S. See Williams, A. J., 645.

Comtois, R. D. See Bynoe, E. T., 346.

Corke, C. T. and Chase, F. E. The selective enumeration of actinomycetes in the presence of large numbers of fungi, 12.

Couch, J. R. See Anderson, G. W., 733.

Cowan, S. T. "Ordnung in das Chaos" Migula, 212.

Crawley, J. F. See Fahey, J. E., 503.

Crook, P. G. and **Lindstrom, E. S.** A comparison of the oxidative metabolism of light and dark grown *Rhodospirillum rubrum*, 427.

Davis, N. See Beale, A. J., 298.

DeFalco, R. J. See Ford, A. C., 657.

Deinhardt, F. See Buchner, B. K., 497.

Dolman, C. E. The staphylococcus: Seven decades of research (1885-1955), 189.

Douglas, R. J. and **San Clemente, C. L.** Respiration of scab-producing strains of actinomycetes, 407.

Eagles, B. A. See Campbell, J. J. R., 304.

Eagon, R. G. Studies on polysaccharide formation by *Pseudomonas fluorescens*, 673.

Edwards, P. R., McWhorter, A. C., and Fife, M. A. The occurrence of bacteria of the Arizona group in man, 281.

Elder, R. H. See Bynoe, E. T., 346.

Fahey, J. E. and Crawley, J. F. Propagation of infectious bronchitis virus in tissue culture, 503.

Falcone, G. See Nickerson, W. J., 575.

Fife, M. A. See Edwards, P. R., 281.

Fiset, P. See Stoker, M. G. P., 310.

Ford, A. C. and DeFalco, R. J. Studies on bacterial agglutination by use of the antiglobulin (Coombs) technique, 657.

Franklin, A. E., Buchner, B., McKee, E., Sinclair, J. C., Bearcroft, W. G. C., Oke, N., and van Rooyen, C. E. Infectious hepatitis. Attempts to infect rodents and to isolate virus in tissue cultures, 329.

Frappier, A. See de Repentigny, J., 677.

Frappier, A. and Sonea, S. L'immunité dans les infections staphylococciques. 1. Action de l'antitoxine contre une infection bactérienne expérimentale, 271.

French, R. C. See Buchner, B. K., 497.

Friedmann, H. and Kern, J. *Micrococcus cerolyticus*, nov. sp., an aerobic lipolytic organism isolated from the African honey-guide, 515.

Galarneau, T. P. and Leifson, E. Taxonomy of *Lophomonas* n. gen., 102.

Garrod, L. P. Progress in medical bacteriology, 1915-1955, 145.

Gibbons, N. E. See Baxter, R. M., 599.

Gino, R. M. See Neter, E., 232.

Gorzynski, E. A. See Neter, E., 232.

Graham, A. F. See Lesley, S. M., 17; Siminovitch, L., 585.

Greaves, R. I. N. The preservation of bacteria, 365.

Greenberg, L. See Logan, J. E., 565.

Greely, P. Infection due to *Salmonella paratyphi* A. Case report, 343.

Gregory, K. F. Hyphal anastomosis and cytological aspects of *Streptomyces scabies*, 649.

Gregory, K. F. and Vaisey, E. B. Pathogenicity of tyrosinase-deficient mutants of *Streptomyces scabies*, 65.

Griffiths, B. W. See Logan, J. E., 465, 565.

Hagborg, W. A. F. The effect of antibiotics on infection of wheat by *Xanthomonas translucens*, 80.

Halpern, C. See Miller, J. J., 519.

Hauser, M. M. See Anderson, G. W., 733.

Hnatko, S. I. The application of bacteriophages to the study of acid-fast microorganisms from tuberculous patients, 39.

Hochster, R. M. See Stone, B. A., 623.

Hochster, R. M. and Stone, B. A. Anaerobic conversion of D-xylose to triose phosphate and hexose phosphate by extracts of *Pseudomonas hydrophila*, 132.

Hopkins, W. See Wasserman, A. E., 447.

James, N. and Roslycky, E. B. Specificity of bacterial virus for *Xanthomonas trifolii*, 6.

Johnson, C. M. C., de Vries, J., and Stevenson, J. W. A lymphocytopenia producing factor from *Nocardia*, 380.

Katznelson, H. See Peterson, E. A., 441; Robinson, J., 723.

Katznelson, H. and Stevenson, I. L. Observations on the metabolic activity of the soil microflora, 611.

Kern, J. See Friedmann, H., 515.

Killough, E. See Labzofsky, N. A., 461.

King, H. DeL. and Wallace, R. H. Morphological and physiological groups of soil bacteria from the roots of barley and oats, 473.

Labzofsky, N. A., Killough, E., Percy, W. J. A., and Bell, J. Complement fixing antibodies in tuberculous guinea pigs, 461.

Lawrence, C. H. Infection by *Streptomyces scabies* on detached potato tubers, 757.

Ledingham, G. A. See Shu, P., 489, 559.

Leifson, E. See Galarneau, T. P., 102.

Lesley, S. M. and Graham, A. F. The utilization of desoxyribonucleotide phosphorus by *Escherichia coli*, 17.

Lewin, R. A. Extracellular polysaccharides of green algae, 665.

Lindstrom, E. S. See Crook, P. G., 427.

Linnes, A. G. See Campbell, J. J. R., 304.

Lochhead, A. G. See Chaplin, C. E., 340.

Logan, J. E. and Griffiths, B. W. The labelling of pertussis vaccine with iodine-131, 465.

Logan, J. E., Griffiths, B. W., Mason, M. A., and Greenberg, L. A study of the intranasal challenge assay of pertussis vaccine using iodine-131, 565.

Lüderitz, O. See Neter, E., 232.

McDonald, I. J. Utilization of sodium caseinate by lactic streptococci and enterococci, 607.

McKee, E. See Buchner, B. K., 497; Franklin, A. E., 329.

MacKenzie, W. C. See Myers, G. E., 87.

McWhorter, A. C. See Edwards, P. R., 281.

Marie Suzanne, Soeur, Portelance, V., and Panisset, M. Studies on mycobacteria. I. Cytochemical study and chemical analysis of the lipids of *Mycobacterium marianum*, 685.

Martin, S. M. and Adams, G. A. A survey of fungal polysaccharides, 715.

Mason, M. A. See Lógan, J. E., 565.

Meerovitch, E. Experimental infection of chick embryos with *Entamoeba invadens*, 1.

Miller, J. J. and Halpern, C. The metabolism of yeast sporulation. I. Effect of certain metabolites and inhibitors, 519.

Mitchell, C. A., Walker, R. V. L., and Bannister, G. L. Studies relating to the formation of neutralizing antibody following the propagation of influenza and Newcastle disease virus in the bovine mammary gland, 322.

Moloney, P. J. See Taylor, E. M., 94.

Murray, Professor E. G. D. An appreciation of, 139.

Murray, R. G. E. See Whitfield, J. F., 245.

Myers, G. E., MacKenzie, W. C., and Ward, K. A. The effect of a new antiseptic (1,6-di-4'-chlorophenylguanidohexane) on skin flora, 87.

Neish, A. C. See Shu, P., 559.

Neter, E., Gorzynski, E. A., Gino, R. M., Westphal, O., and Lüderitz, O. The enterobacterial hemagglutination test and its diagnostic potentialities, 232.

Nickerson, W. J., Taber, W. A., and Falcone, G. Physiological bases of morphogenesis in fungi. 5. Effect of selenite and tellurite on cellular division of yeastlike fungi, 575.

Oke, N. See Franklin, A. E., 329.

Panisset, M. See Marie Suzanne, Soeur, 685.

Pascoe, E. and Quastel, J. H. Respiration of *Mycobacterium tuberculosis*, strain BCG, in the presence of short chain fatty acids, 372.

Percy, W. J. A. See Labzofsky, N. A., 461.

Perlman, D. Application of filter paper chromatography to the analysis of streptomycete phage preparations, 63.

Peterson, E. A. and Katzenbach, H. The effect of trace elements on growth of *Helminthosporium sativum* and several related species, 441.

Philip, C. B. Comments on the classification of the order Rickettsiales, 261.

Plummer, H. C. and Brown, M. H. An investigation of "A" substance in T.A.B. vaccine diluted with saline or toxoid, 359.

Portelance, V. See Marie Suzanne, Soeur, 685.

Quastel, J. H. See Pascoe, E., 372.

Rabin, R. and **Zimmerman, L. N.** Proteinase biosynthesis by *Streptococcus liquefaciens*. I. The effect of carbon and nitrogen sources, pH, and inhibitors, 747.

Ramakrishnan, T. See Campbell, J. J. R., 304.

Reid, D. B. W. See Taylor, E. M., 94.

de Repentigny, J. and **Frappier, A.** Studies on *H. pertussis* liquid cultures. III. Localization of surface antigens by means of fluorescent antibody, 677.

Rhodes, A. J. See Beale, A. J., 298.

Rich, M. A. and **Stern, A. M.** The reversal of quaternary ammonium detergent inhibition of *Saccharomyces cerevisiae* by a fraction derived from yeast extract, 453.

Robinson, J. and **Katznelson, H.** The tricarboxylic acid cycle in *Pseudomonas nigrifaciens*, 723.

van Rooyen, C. E. See Buchner, B. K., 497; Franklin, A. E., 329.

Roslycky, E. B. See James, N., 6.

Sallans, H. R. See Spencer, J. F. T., 72.

San Clemente, C. L. See Douglas, R. J., 407.

Seeliger, H. P. R. and **Sulzbacher, F.** Antigenic relationships between *Listeria monocytogenes* and *Staphylococcus aureus*, 220.

Seibles, T. S. See Wasserman, A., 447.

Shu, P. and **Ledingham, G. A.** Enzymes related to carbohydrate metabolism in uredospores of wheat stem rust, 489.

Shu, P., Neish, A. C., and **Ledingham, G. A.** Utilization of added substrates by uredospores of wheat stem rust, 559.

Siminovitch, L. and **Graham, A. F.** The metabolic stability of nucleic acids in *Escherichia coli*, 585.

Simon, W. See Thatcher, F. S., 703.

Simpson, F. J. Microbial pentosanases. II. Some factors affecting the production of pentosanases by *Bacillus pumilus* and *Bacillus subtilis*, 28.

Sinclair, J. C. See Buchner, B. K., 497; Franklin, A. E., 329.

Smith, R. A. See Campbell, J. J. R., 433.

Sonea, S. See Frappier, A., 271.

Spencer, J. F. T. and **Sallans, H. R.** Production of polyhydric alcohols by osmophilic yeasts, 72.

Stackiw, W. See Beale, A. J., 298.

Stern, A. M. See Rich, M. A., 453.

Stevens, P. F. See Beale, A. J., 298.

Stevenson, I. L. See Katznelson, H., 611.

Stevenson, J. W. See Johnson, C. M. C., 380.

Stoker, M. G. P. and **Fisette, P.** Phase variation of the Nine Mile and other strains of *Rickettsia burnetti*, 310.

Stone, B. A. See Hochster, R. M., 132.

Stone, B. A. and **Hochster, R. M.** On the mechanism of the aerobic oxidation of D-xylose and of D-ribose-5-phosphate by cell-free extracts of *Pseudomonas hydrophila*, 623.

Stranks, D. W. Microbiological utilization of cellulose and wood. 1. Laboratory fermentations of cellulose by rumen organisms, 56.

Stuart, R. D. The importance of urinary antibodies in the diagnosis of leptospirosis, 288.

Sulzbacher, F. See Seeliger, H. P. R., 220.

Taber, W. A. An agar diffusion assay method for the antifungal polyene, candidin, 45. See also Nickerson, W. J., 575.

Taylor, E. M., Moloney, P. J., and Reid, D. B. W. Comparison of methods for assessing the antigenic response to pertussis vaccine, 94.

Telner, P. See Blank, F., 402.

Thatcher, F. S. and **Simon, W.** A comparative appraisal of the properties of "staphylococci" isolated from clinical sites and from dairy products, 703.

Thow, D. C. W. The use of Dubos oleic acid albumin medium enriched with blood for the viable counting of BCG, 393.

Vaisey, E. B. See Gregory, K. F., 65.

de Vries, J. See Johnson, C. M. C., 380.

Walker, R. V. L. See Mitchell, C. A., 322.

Wallace, R. H. See King, H. DeL., 473; Williams, A. J., 645.

Ward, K. A. See Myers, G. E., 87.

Wasserman, A. E., Hopkins, W., and Seibles, T. S. Glucose oxidation by *Serratia marcescens*, 447.

Westphal, O. See Neter, E., 232.

Whitfield, J. F. and Murray, R. G. E. The effects of the ionic environment on the chromatin structures of bacteria, 245.

Williams, A. J., Wallace, R. H., and Clark, D. S. Changes in the yeast population on Quebec apples during ripening, 645.

Wright, M. L. See Anderson, G. W., 733.

Zimmerman, L. N. See Rabin, R., 747.